MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

October 1946

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

OCTOBER 1946

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.4	58.3	59.8	59.2	30.3	23.3	26.6	28.0	25.1	26.6
2	60.7	0.5	60.6	60.6	29.9	21.9	25.5	28.3	25.2	26.3
3	1.1	0.3	0.5	0.6	30.0	22.5	26.0	27.7	25.2	26.3
4	59.7	58.8	0.4	59.6	29.8	22.2	26.5	28.8	25.6	27.0
5	62.3	61.6	1.3	61.7	29.4	21.2	26.8	28.4	25.0	26.7
6	62.0	60.7	60.6	61.1	30.3	23.1	26.6	28.4	24.9	26.6
7	1.1	1.0	1.8	1.3	29.2	21.9	27.3	27.3	27.3	27.3
8	2.2	1.8	2.4	2.1	30.0	22.3	26.2	28.8	26.2	27.1
9	1.8	59.9	0.1	0.6	29.4	22.0	27.2	29.0	24.7	27.0
10	59.6	8.1	58.6	58.8	29.6	22.4	26.9	28.6	27.4	27.6
11	58.6	58.0	57.9	58.2	29.2	22.2	26.3	27.7	23.3	25.8
12	5.4	6.0	7.8	6.4	27.5	21.1	26.6	25.9	23.2	25.2
13	8.5	6.9	6.4	7.3	32.3	24.4	25.3	27.8	26.1	26.4
14	3.2	1.8	3.1	2.7	34.8	20.0	32.3	31.8	26.2	30.1
15	4.2	8.4	7.1	6.6	25.9	19.9	21.1	24.4	22.7	22.7
16	59.7	58.5	59.7	59.3	27.3	19.3	24.3	26.6	22.2	24.3
17	5.1	60.5	61.1	8.9	25.8	18.9	22.7	24.0	22.1	22.9
18	60.4	59.0	59.9	9.8	27.3	20.3	23.9	25.4	21.3	23.5
19	59.2	8.2	9.5	9.0	26.7	19.5	24.2	24.4	22.6	23.7
20	9.5	9.9	60.4	9.9	24.8	17.5	22.1	24.0	22.3	22.8
21	57.5	63.7	64.6	61.9	24.6	16.9	22.3	23.2	19.7	21.7
22	65.5	4.5	5.1	5.9	24.0	18.3	21.1	22.7	21.1	21.6
23	4.3	3.0	3.2	3.5	25.1	19.6	22.8	23.8	22.2	22.9
24	2.4	0.9	0.3	1.2	26.9	21.9	24.4	25.5	22.7	24.2
25	1.4	0.3	0.9	0.9	28 4	20.8	26.1	26.2	22.9	25.1
26	61.8	61.2	62.0	61.7	26.6	20.2	24.5	25.5	22.7	24.2
27	2.2	1.8	2.8	2.3	25.6	19.1	23.4	23.8	21.1	22.8
28	3.6	3.0	2.7	3.1	22.7	18.6	21.6	21.9	19.3	20.9
29	1.3	59.5	0.3	0.4	25.4	19.4	20.7	23.9	21.2	21.9
30	1.1	61.2	2.5	1.6	25.9	18.9	23.3	24.4	20.6	22.8
31	4.2	3.3	4.2	3.9	25.1	18.4	22.6	23.7	21.8	22.7
	60.29	60.01	60.89	60.29	27.48	20.58	24.74	26.12	23.35	24.73

Barometer, range for month 765.5 – 751.8 mm.
,, 71-yr. average for month 761.31 mm.
Thermometer, range for month 34.8° — 16.9°C
,, 71-yr. average for month 24.°51 C.
Rain, total for month 41.65 m.m.
,, 71-yr. average for month 50.02 m.m.
,, Total, Sept. 1st. to end of month 61.72 mm.
,, 71-yr. average, Sept. 1st. to end of month 56.21 mm

OCTOBER 1946

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	18.1	19.0	19.0	18.7	69	67	80	72	9.4	415.0	
2	18.9	18.6	18.3	18.6	77	65	76	73	9.5	269.0	1.52
3	18.1	18.6	18.5	18.4	72	67	78	72	9.5	367.0	
4	17.6	20.0	19.2	18.9	69	64	78	70	9.2	422.0	
5	15.9	17.8	19.1	17.6	56	62	81	66	9.6	410.0	
6	15.3	18.5	19.1	17.6	59	64	80	68	9.5	438.0	
7	18.3	19.1	16.0	17.8	69	72	59	67	9.6	378.0	
8	17.0	20.0	20.1	19.0	67	67	79	71	9.5	301.0	
9	19.1	20.9	19.0	19.7	72	70	82	75	9.1	439.0	
10	18.4	19.2	15.5	17.7	70	66	57	64	8.8	459.0	
11	17.0	17.0	15.8	16.6	66	61	75	67	8.8	589.0	
12	18.3	15.9	15.7	16.6	71	64	75	70	8.5	637.0	0.25
13	17.2	21.1	11.1	16.5	72	76	44	64	8.3	852.0	
14	12.4	12.1	20.7	15.1	33	35	82	50	3.8	750.0	
15	17.4	17.5	15.1	16.7	94	77	75	82	7.4	406.0	13.46
16	15.4	17.8	17.7	17.0	69	68	89	75	5.3	499.0	
17	16.2	17.3	17.3	16.9	79	78	88	82	6.4	203.0	14.73
18	15.3	16.3	14.4	15.3	69	68	76	71	8.4	266.0	
19	15.0	18.3	16.3	16.5	67	80	80	76	8.0	639.0	
20	14.9	14.5	14.7	14.7	76	65	74	72	8.3	366.0	9.91
21	13.0	13.4	12.8	13.1	65	63	75	68	8.6	312.0	1.78
22	12.8	13.4	13.0	13.1	69	65	70	68	8.4	249.0	
23	14.4	14.8	14.8	14.7	70	66	74	70	8.6	549.0	
24	14.4	19.5	14.2	16.0	64	79	70	71	8.8	483.0	
25	16.2	19.1	18.9	18.1	64	75	91	77	8.7	446.0	
26	20.0	19.6	17.8	19.1	87	80	86	84	8.4	515.0	
27	15.8	17.3	14.4	15.8	74	78	77	76	8.5	549.0	
28	12.7	11.6	12.5	12.3	66	60	75	67	8.3	248.0	
29	11.6	13.8	10.4	11.9	63	63	55	60	8.4	233.0	
30	13.2	15.7	13.9	14.3	61	69	78	69	8.8	209.0	
31	14.2	15.5	13.7	14.5	70	70	70	70	8.8	280.0	
	15.93	17.20	16.09	16.41	68.6	67.8	75.1	70.5	8.42	425.09	1.34

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equals G.C.T.
71 year averages are for period, 1875-1945

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Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1cu	7cu	0	2.7	1ne	0	1nw	calm	
2	1cu	0	0	0.3	0	1nw	1nw	light	
3	1ci	5cu	0	2.0	1sw	1nw	1nw	„	
4	10ci-cu	1cu	0	3.7	1sw	2sw	0	„	
5	1cu	0	0	0.3	1sw	2ne	2ne	slight	
6	0	0	0	0.0	2ne	3ne	3ne	slight	
7	2cu	7cu	8cu	5.7	1ne	2nw	2ne	„	
8	0	0	0	0.0	1sw	1nw	0	„	
9	1ci	0	6cu	2.3	2sw	2sw	0	„	
10	8cu	2cu	0	3.3	1sw	1sw	1sw	„	
11	1cu	1cu	7cu	3.0	2sw	3sw	0	slight	
12	7cu	6cu	4cu	5.7	4sw	3sw	2sw	mod.	
13	3cu	1ci	0	1.3	1sw	1sw	1sw	slight	
14	2ci	4ci-cu	6cu	4.0	3sw	3sw	2sw	„	Sirocco a.m. T. at Night
15	4ni	3ni	1cu	2.7	2sw	1sw	1sw	„	
16	1cu	1cu	8cu-ni	3.3	2sw	2sw	1sw	slight	
17	9cu-ni	2cu	1cu	4.0	2nw	1nw	1nw	„	
18	0	1ci	0	0.3	1se	1n	0	light	
19	3ci	6cu-ni	2cu-ni	3.7	1se	1sw	1sw	slight	Tr. a.m.
20	5ni-cu	2cu	8cu-ni	5.0	3sw	2sw	2sw	mod.	
21	4cu	0	0	1.3	1sw	2ne	1n	sight	
22	0	0	0	0.0	1ne	1ne	0	„	
23	0	0	0	0.0	1n	2ne	1ne	„	
24	0	0	0	0.0	1ne	2ne	0	„	
25	3ci	0	0	1.0	0	1ne	0	„	Hazy Sky
26	0	1cu	3cu	1.3	1sw	2sw	1sw	slight	Tr. a.m.
27	4cu	2cu	3cu	3.0	2sw	1sw	0	„	
28	1ci	0	0	0.3	1ne	1nw	1nw	mod.	
29	10st-cu	7ci	3ci-cu	6.7	1se	1ne	0	slight	
30	0	0	0	0.0	0	0	1sw	„	
31	0	0	0	0.0	1sw	1sw	1nw	„	H. a.m.
				2.15					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	6	0	3	0	17	0	1	3	31
14:30	1	8	0	0	0	14	0	6	2	31
20:30	1	4	0	0	0	10	0	6	10	31
Totals	3	18	0	3	0	41	0	13	15	93

Number of days with rain 6, fog 0, thunderstorms 1, gale 0.

71 yr. av. number of days with rain during month 3.84